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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

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GOVERNOR

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W. LYNDY TIPPETT
SECRETARY

November 29, 2001

MEMORANDUM

TO: Mr. Calvin W. Leggett, P.E.
Manager, Program Development Branch

FROM: Ms. Nicole M. Hackler *Nicole M. Hackler*
Feasibility Studies Engineer

SUBJECT: *FS-0114D* - Widening of US 64 from US 25 to SR 1180 (Blythe Street) in the City of Hendersonville, Henderson County.

As requested, we have completed feasibility study FS-0114D for the widening of US 64 from US 25 to SR 1180 (Blythe Street) in Hendersonville. This project proposes to construct a three-lane section of roadway for the limits mentioned above, a distance of approximately 1 (one) mile.

Our evaluation of this project was based on a three lane curb and gutter section, 40' face to face of curbs with 10' berms on 80' of right of way. It is anticipated that 3 (three) residences and 9 (nine) businesses would need to be relocated due to this project. In addition, an undetermined number of gravesites would also be affected by this widening.

The total cost of construction for this project is as follows:

Construction.....	\$	2,500,000
Right of Way.....	\$	7,500,000
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Total Cost.....	\$	10,000,000

This first evaluation was performed with an 80' right of way width, in order to help minimize the impacts on numerous residences and businesses which would be affected by this widening. However, traffic analysis of the project showed the proposed three-lane configuration would fail in the Design Year 2030, providing a level of service (LOS) "F" at two of the signalized intersections, and a LOS "E" at the third.

Because of these projections, a second alternative was developed which would meet the capacity needs of the 2030 Design Year. Our evaluation of this alternative was based on a five-lane curb and gutter section, 64' face to face of curbs with 10' berms on 100' of right of way, for a distance of approximately 1 (one) mile. It is anticipated that 3 (three) residences and 15 (fifteen) businesses would need to be relocated due to this project. In addition, an even larger number of graves would also be affected by this option.

The total cost of construction for this alternative is as follows:

Construction.....	\$	3,350,000
Right of Way.....	\$	14,000,000
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Total Cost.....	\$	17,350,000

Our concern with this option was not only the increased cost of right of way, but also the greater number of businesses on US 64 which would be impacted by the widening, and as a result, could severely affect the atmosphere of the business district itself.

As you are aware, this work is preliminary and not the product of comprehensive environmental or design evaluations. If you should have further questions or additional information is needed, please do not hesitate to contact me at 733-2039 x 351, or via e-mail at nmhackler@dot.state.nc.us.

cc: Conrad Burrell, Member – Board of Transportation
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